

37259/SAH/B600

VIDEO AND GRAPHICS SYSTEM WITH AN INTEGRATED SYSTEM BRIDGE
CONTROLLER

ABSTRACT OF THE DISCLOSURE

5 A video and graphics system on an integrated circuit chip
includes an integrated system bridge controller to interface a
CPU with devices internal to the system as well as external
peripheral devices. The system bridge controller is capable of
performing format conversion between big-endian data and little-
10 endian data. The system bridge controller includes a PCI bridge
to interface with PCI devices, an I/O bus bridge to interface
with I/O devices such as RAM, ROM, flash memory and 68000-
compatible peripheral devices, and a CPU interface block to
interface the CPU to video processing devices on the integrated
15 circuit chip such as an MPEG video decoder.

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